

# Lake Washington Boulevard Renovations Project

Design Concepts – Spring 2024



Project Webpage:

<https://www.seattle.gov/parks/about-us/projects/lake-washington-boulevard-renovations>

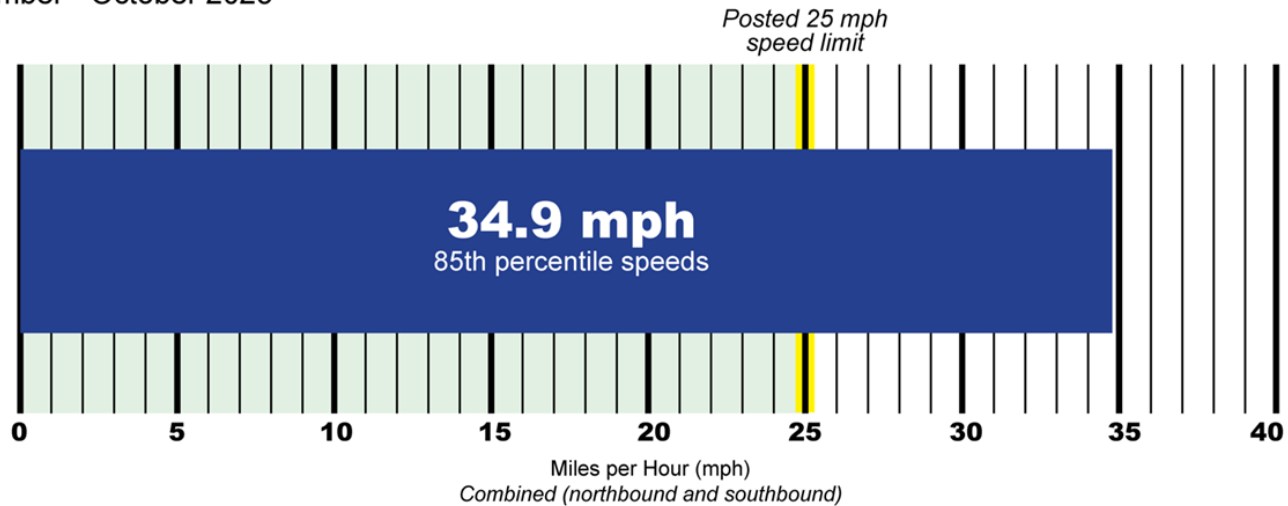


**Seattle**  
Parks & Recreation

# Data Analysis - Speed

## Lake Washington Boulevard Average Vehicle Speed

September - October 2023



## People are driving too fast on Lake Washington Boulevard.

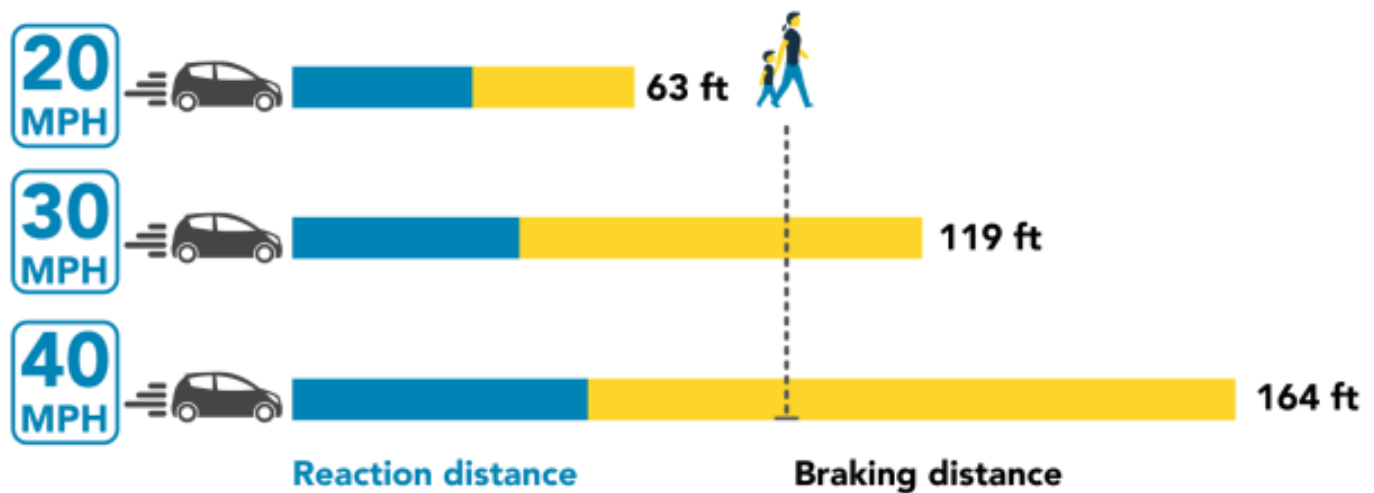
According to our latest data collection, people driving vehicles on average are driving close to 10 miles over the posted 25 mph speed limit. The 85<sup>th</sup> percentile of vehicle speeds recorded was 34.9 mph, with outlier speeds reaching up to 73.3 mph.



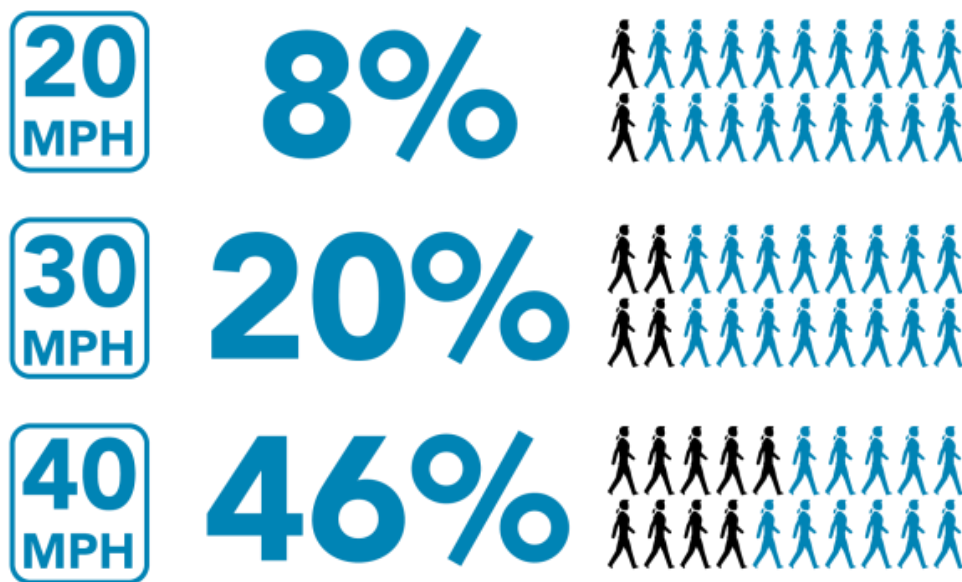
## Higher speeds reduce a driver's field of vision.

Source: NACTO Urban Street Design Guide (2013)

# Data Analysis - Speed



**Higher speeds increase a driver's reaction time & braking distance.**  
Source: National Highway Traffic Safety Administration (2015)



**Likelihood of death for people walking if hit at these speeds**  
Source: AAA Foundation, Tefft, B.C. (2011)

**Higher vehicle speeds significantly increase likelihood of death**  
(Source: Vision Zero Network )

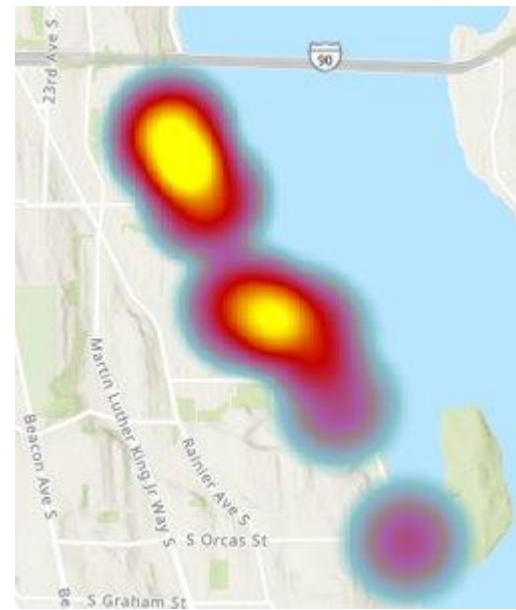
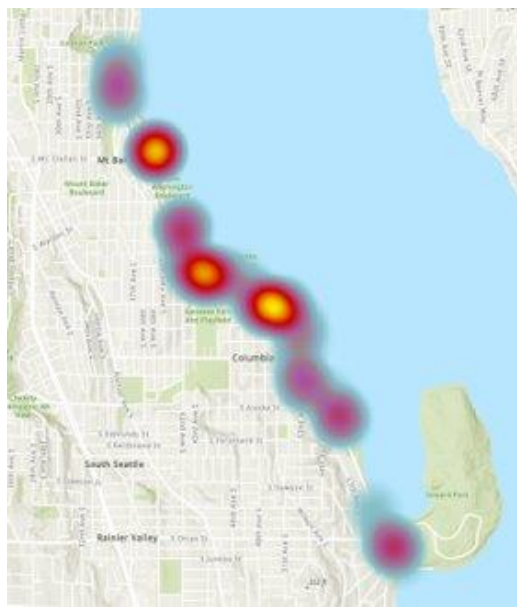
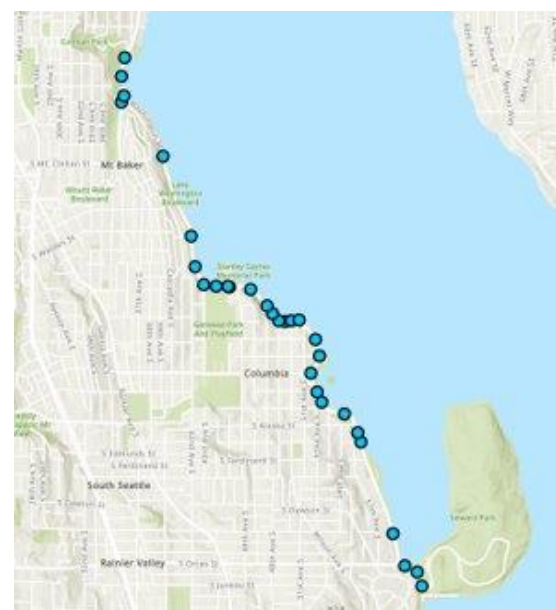


# Data Analysis

## Traffic Volume



## Collision Data



Collisions (2018 – 2023)  
All transportation modes

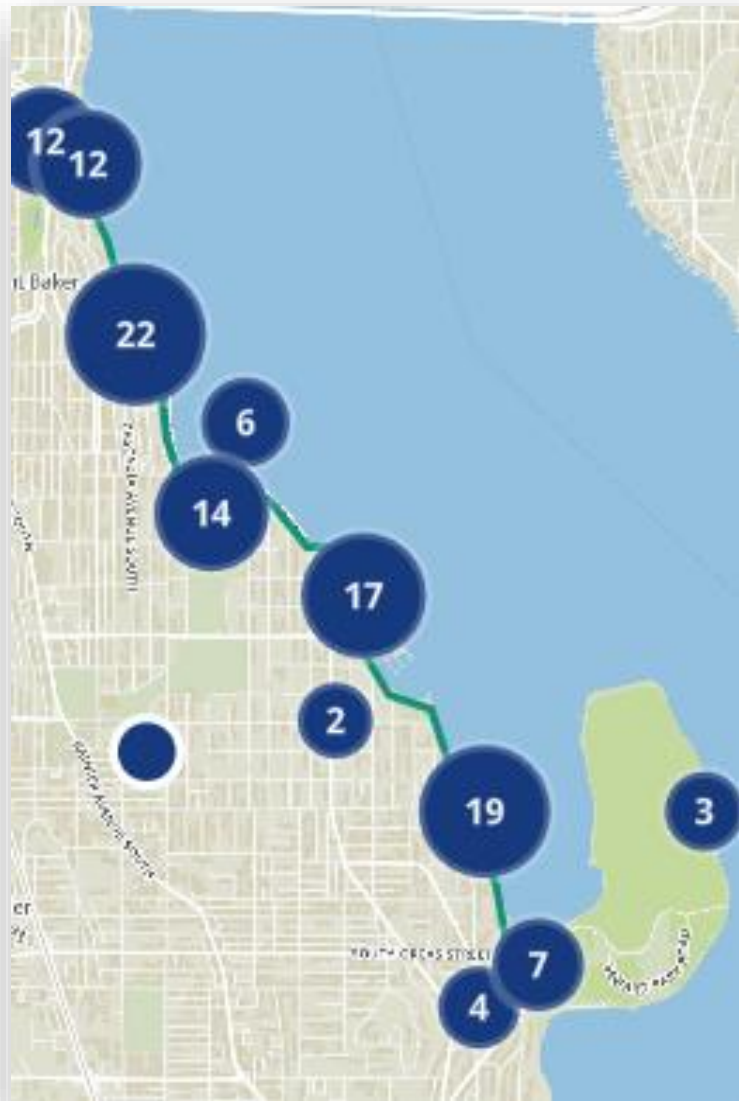
Collisions Heat Map  
All transportation modes

Collisions Heat Map  
Pedestrians & Cyclists

# Community Input



**In-person**

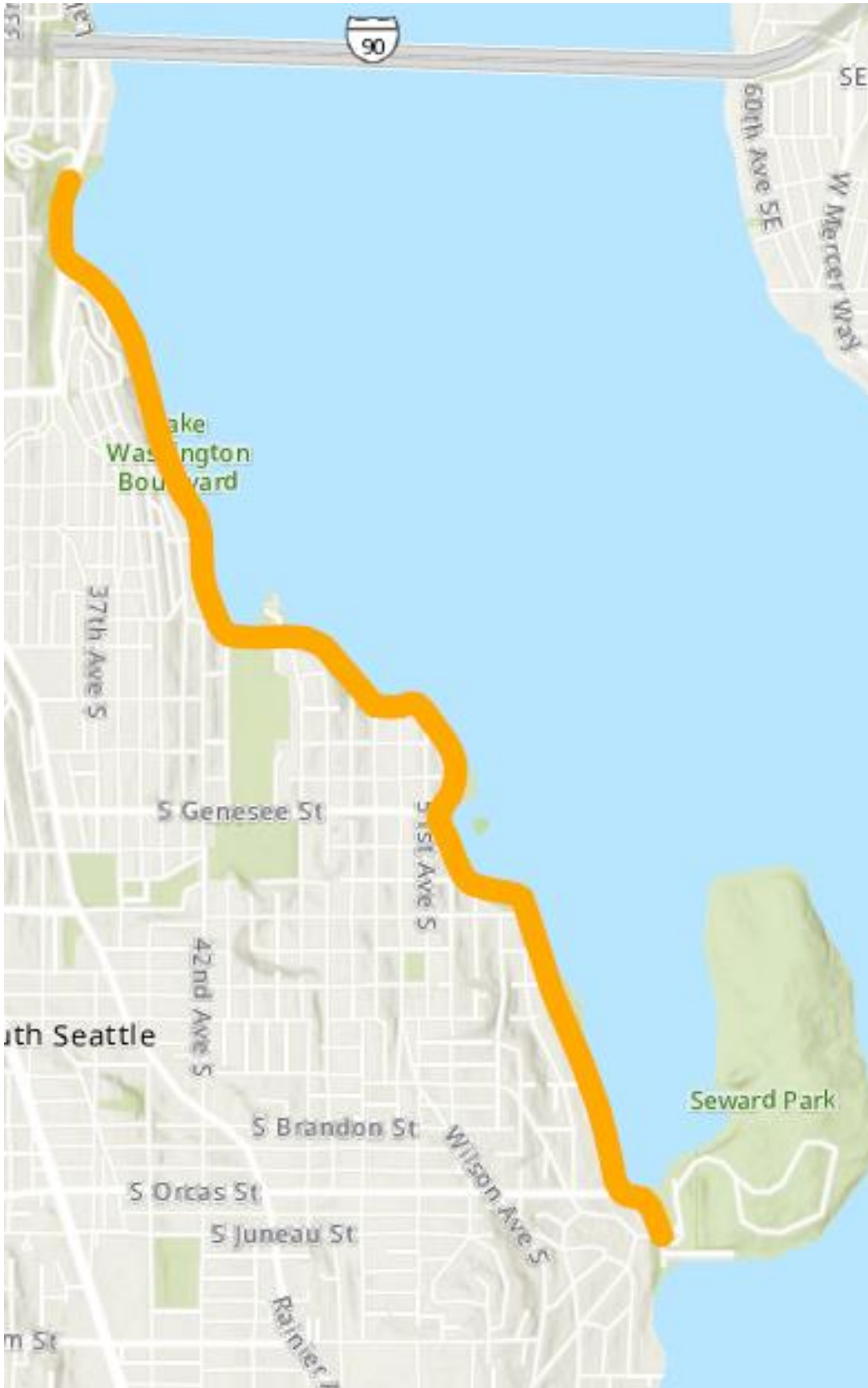


**Virtual**





# Project Snapshot



**All-way stop**  
(Lake Park Dr S)

**Speed cushions**  
(Throughout)

**Horizontal curve safety treatment**  
(Select locations)

**New benches**  
(Select locations)

**New crossing, curb extension**  
(43<sup>rd</sup> Ave S)

**New crossing**  
(49<sup>th</sup> Ave S)

**Curb extension**  
(51st Ave S)

**New crossing**  
(S Adams St)

**New crossing, paved connection**  
(S Ferdinand St)

**New crossing, painted walkway**  
(S Genesee Way)

**Intersection redesign**  
(S Orcas St)

# Boulders – Horizontal Curve Safety Treatment



We are proposing installing boulders in strategic locations to accomplish two project goals:

## 1) Implement at curves to prevent cars from driving off the roadway.

Between 50<sup>th</sup> & 51<sup>st</sup> Avenues

Between S Alaska St & 53<sup>rd</sup> Ave S

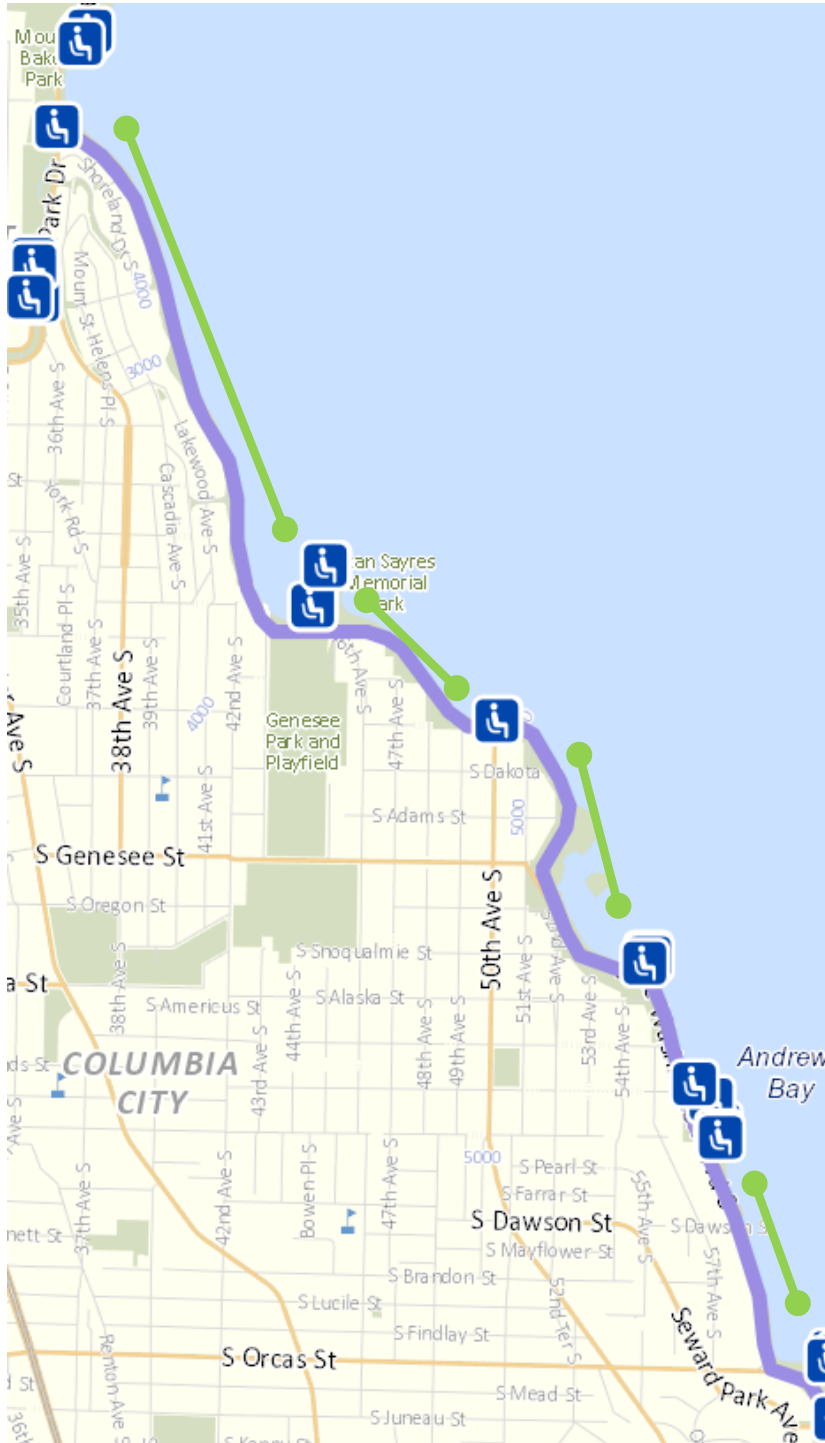
## 2) Deter illegal parking between the trees.

Mount Baker Beach Parking lot overflow on Lake WA Blvd

Lake Park Drive S



# Benches – Pedestrian Infrastructure



  
**bench gap area  
(potential locations)**

Opportunity to partner with Seattle Parks Foundation bench donation program.



# Lake Park Drive South



## Proposed: All-Way Stop

Add stop signs on Lake WA Blvd for northbound and southbound traffic.

### Stop-Controlled Intersections:

- +Lowers risk for pedestrians and people on bicycles.
- +Supports crossing opportunities.
- +Improves predictability.

# 43<sup>rd</sup> Avenue South



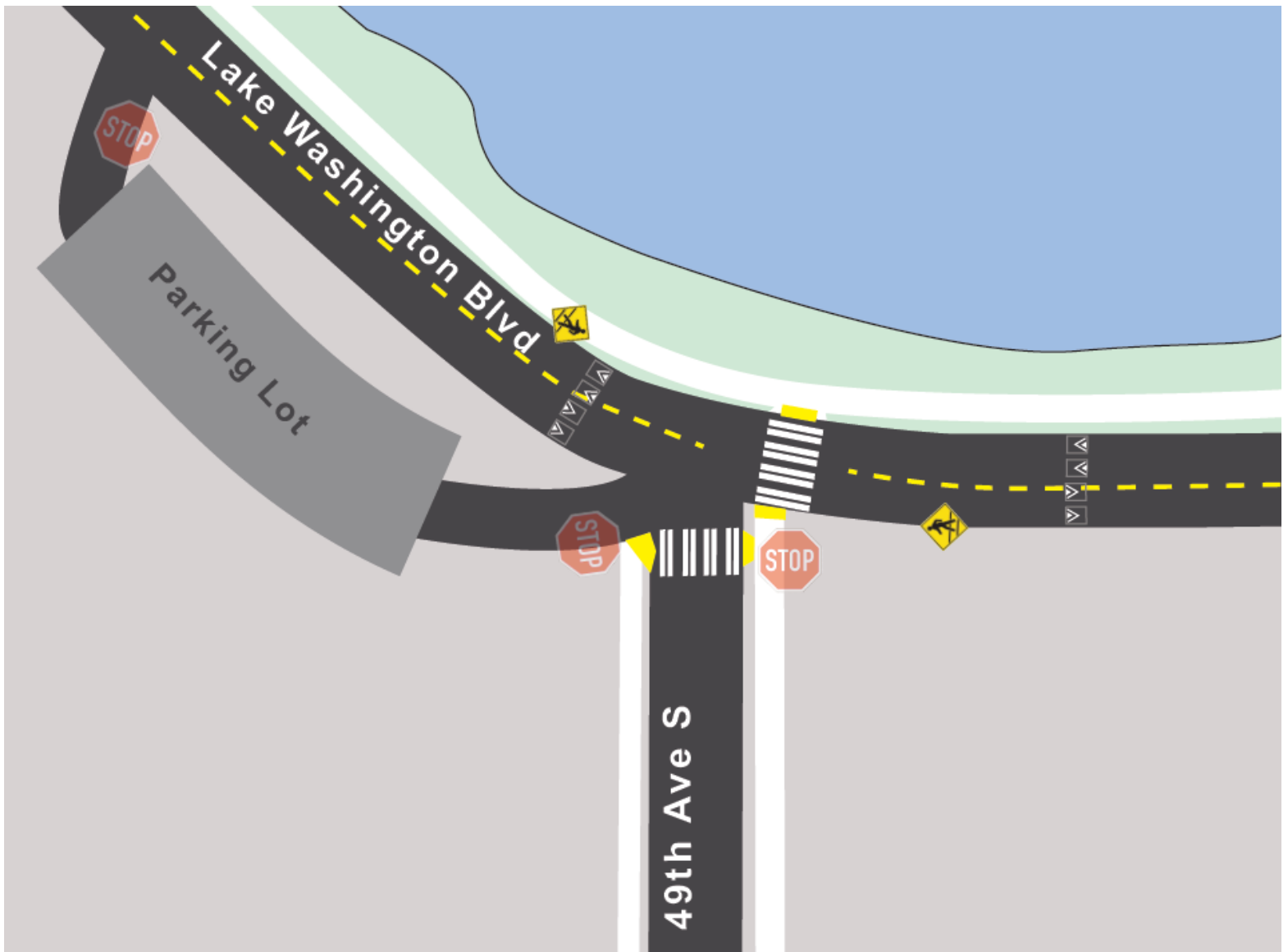
## **Proposed:** Marked crossing, curb extensions, speed cushions, connecting trail

Add speed cushions on Lake WA Blvd for northbound and southbound traffic to support new marked crossing at 43<sup>rd</sup> Ave S.

Narrow and align intersection with paint-and-post curb extensions.

- +Slower vehicle speeds support crossing safety
- +Curb extensions encourage calmer turning speeds
- +New gravel trail creates connection to Genesee Park trails

# 49<sup>th</sup> Avenue South



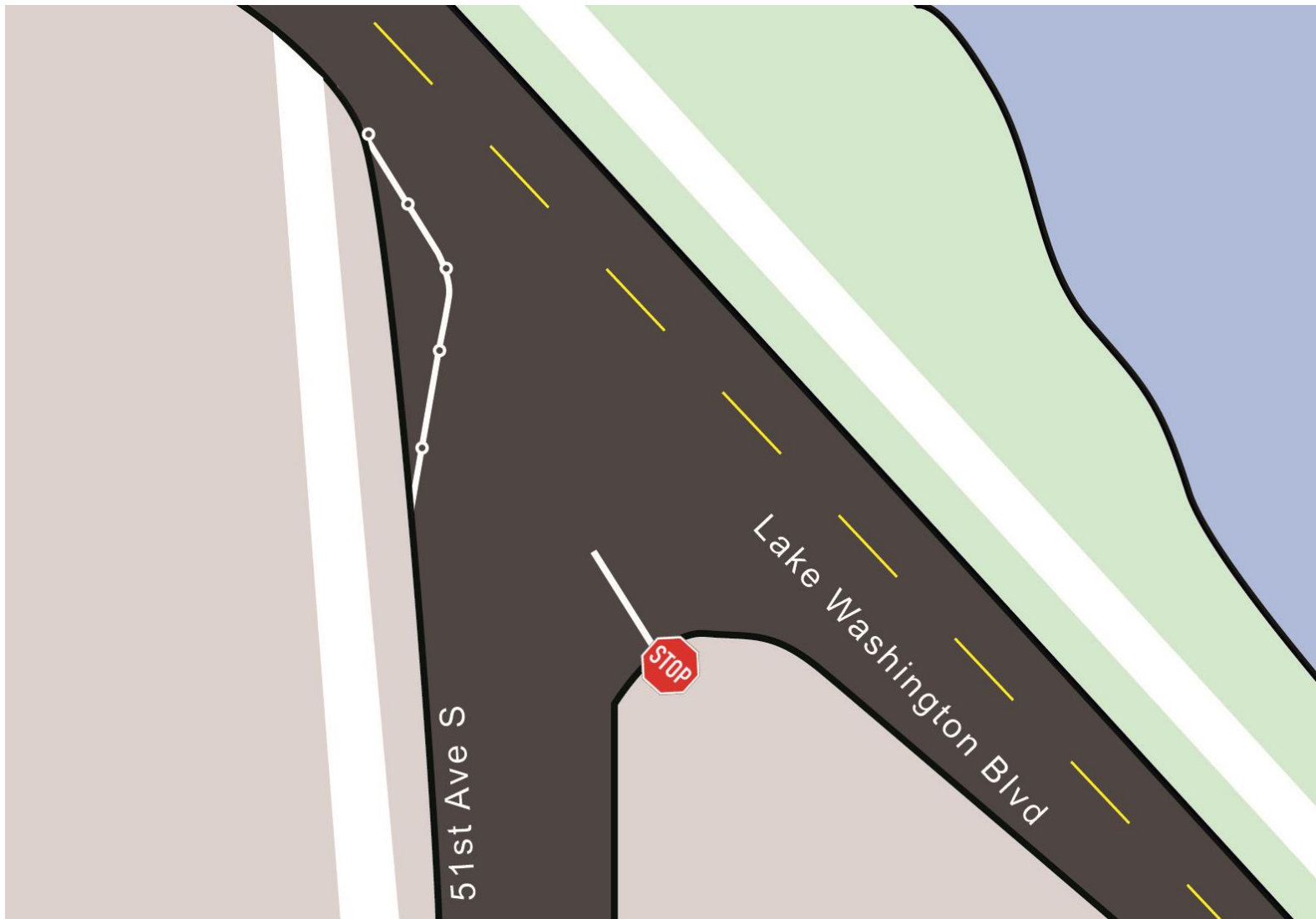
## **Proposed:** Marked crossing, speed cushions

Add continental crosswalk to Lake WA Blvd and to 49<sup>th</sup> Ave S.  
Add speed cushions on Lake WA Blvd for northbound and southbound traffic to support new marked crossings.

- +Slower vehicle speeds support crossing safety.
- +Enhanced pedestrian connection to increase access to lakeshore.



# 51st Avenue South

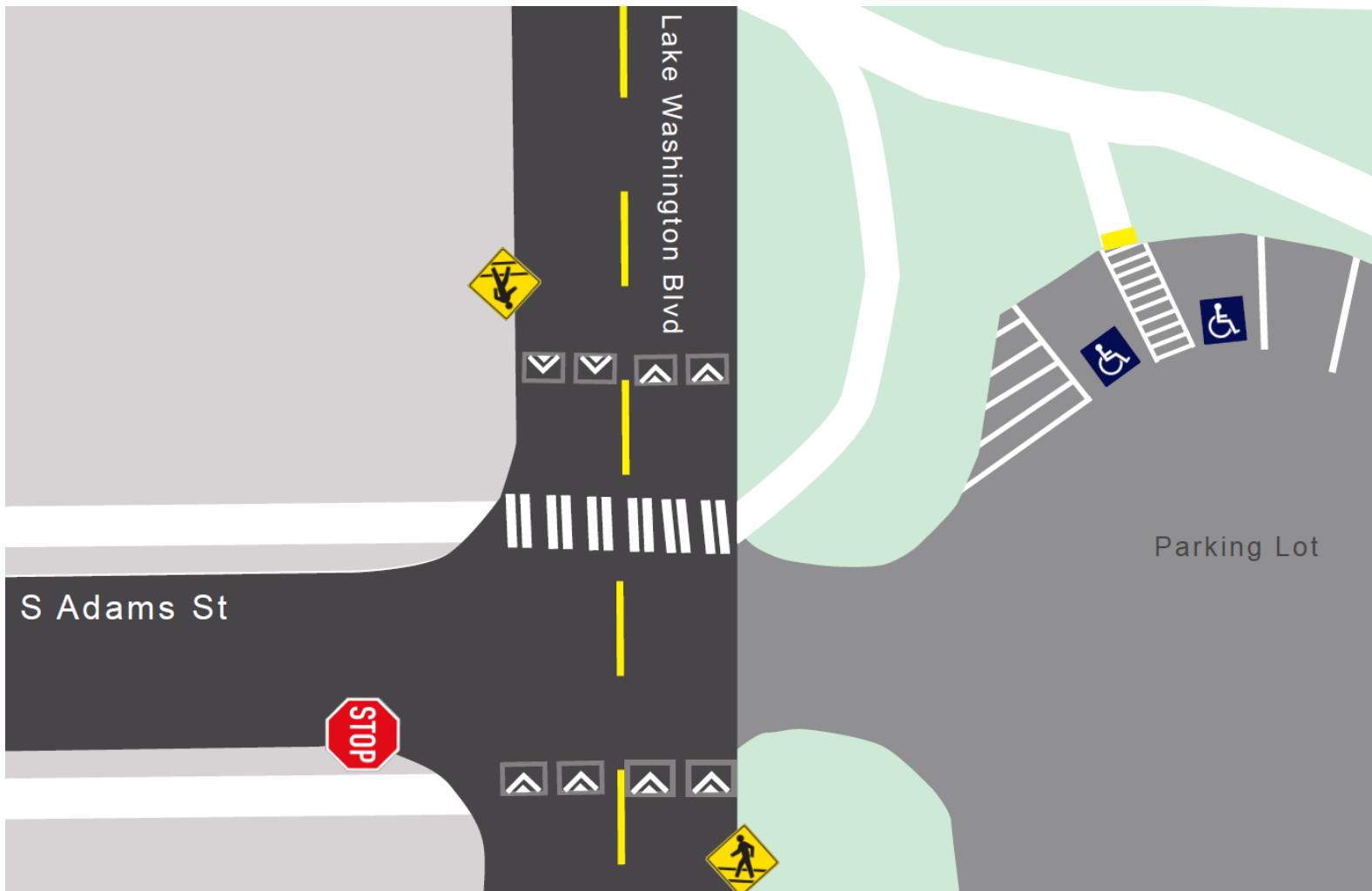


## **Proposed:** Curb extension

Add paint and post curb extension to narrow and align intersection.

- +Curb bulb shortens length of intersection and calms turning radius.
- +Encourages slower vehicle speeds.

# South Adams Street



## **Proposed:** Marked crossing, speed cushions, connecting path

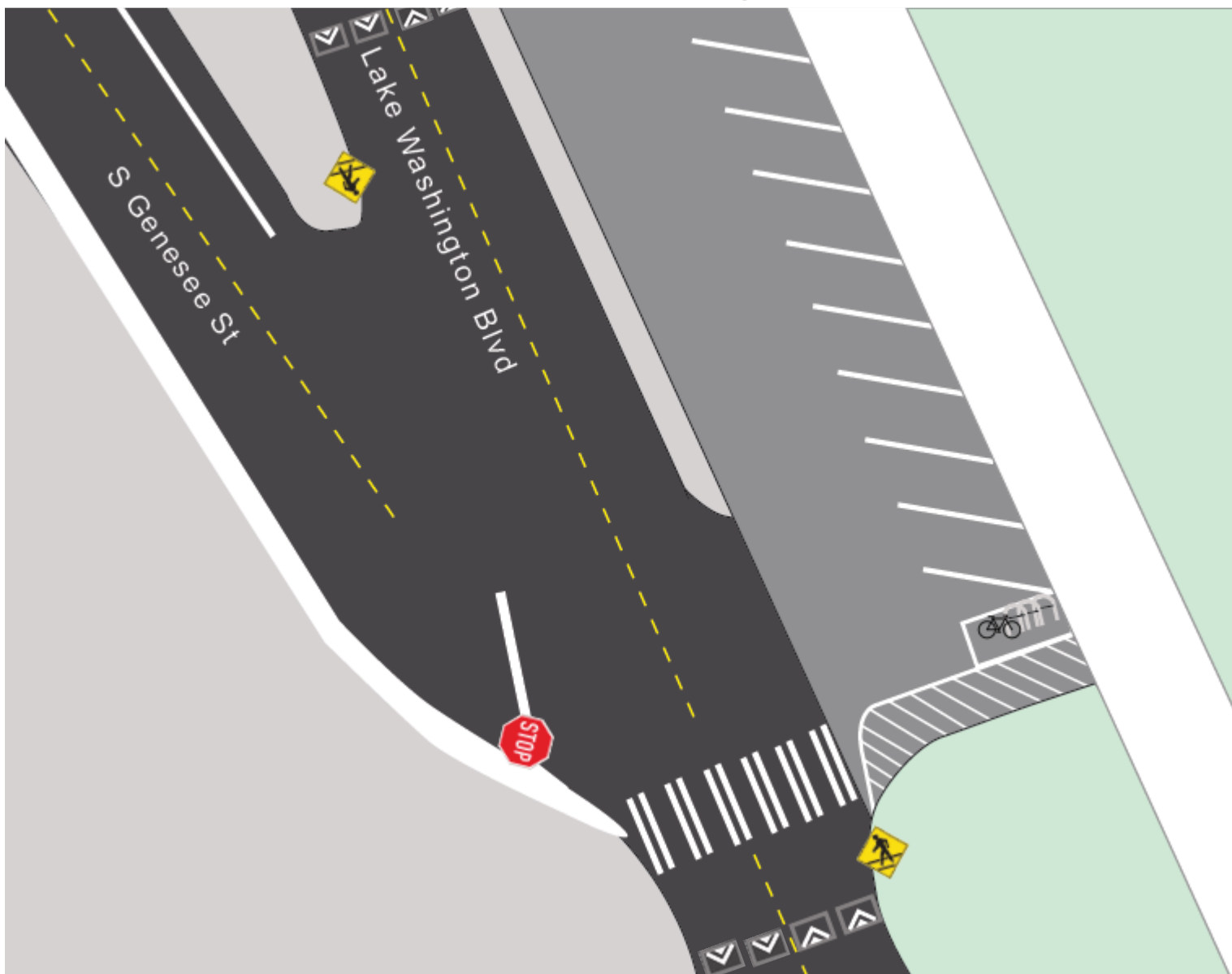
Add speed cushions on Lake WA Blvd for northbound and southbound traffic to support new marked crossing at S Adams St.

Add a pathway that connects the new marked crossing to the existing pathway on Lake WA Blvd.

+Slower vehicle speeds support crossing safety.

+Enhanced pedestrian connection to improve access to lakeshore.

# South Genesee Way



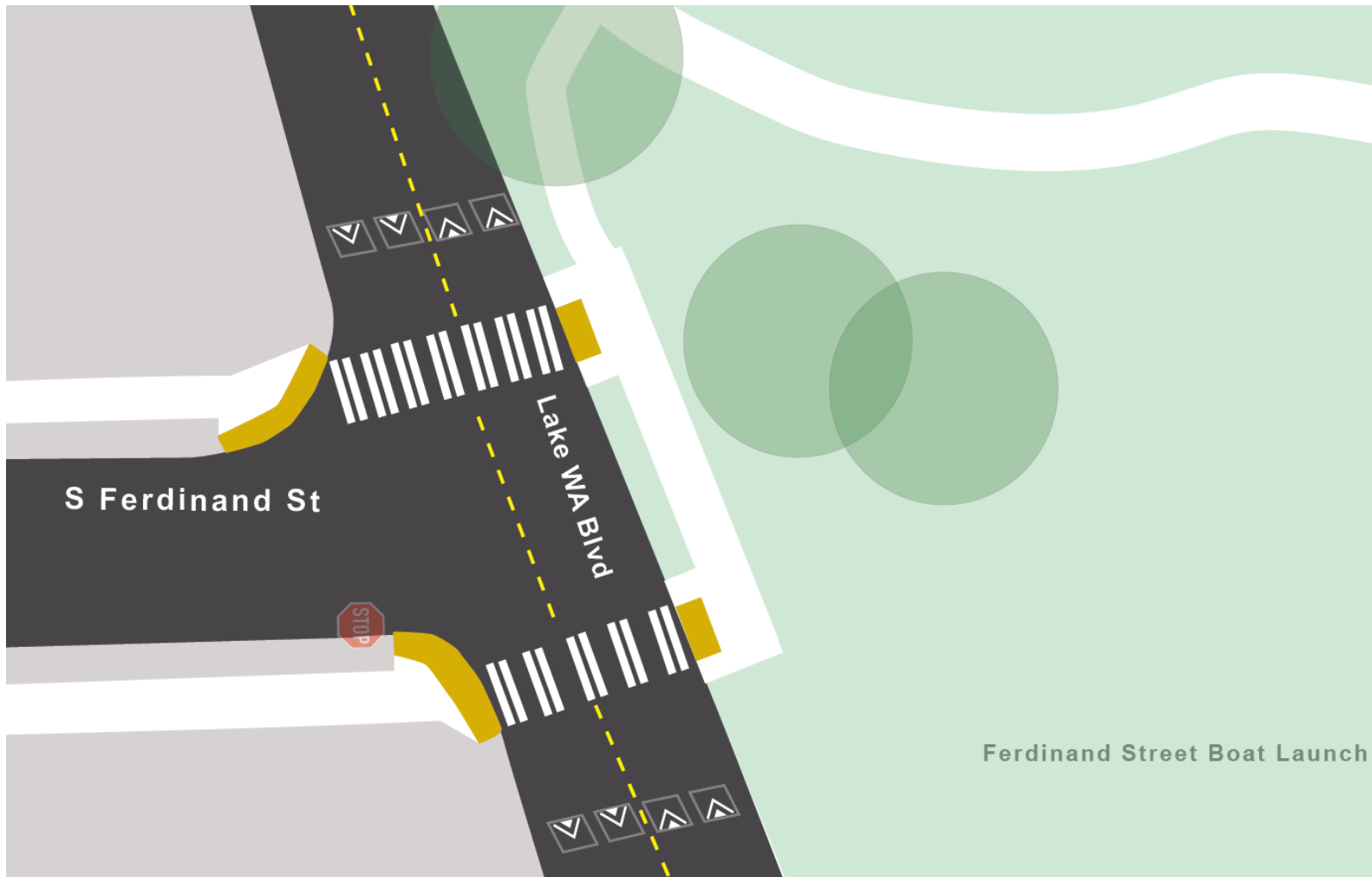
**Proposed:** Marked crossing, speed cushions, painted walkway, bike rack

Add speed cushions on Lake WA Blvd for northbound and southbound traffic to support new marked crossing at S Adams St.  
Add painted walkway with bike rack separation to connect new marked crossing to pathway.

- +Slower vehicle speeds support crossing safety.
- +Enhanced pedestrian connection to increase access to lakeshore.



# South Ferdinand Street

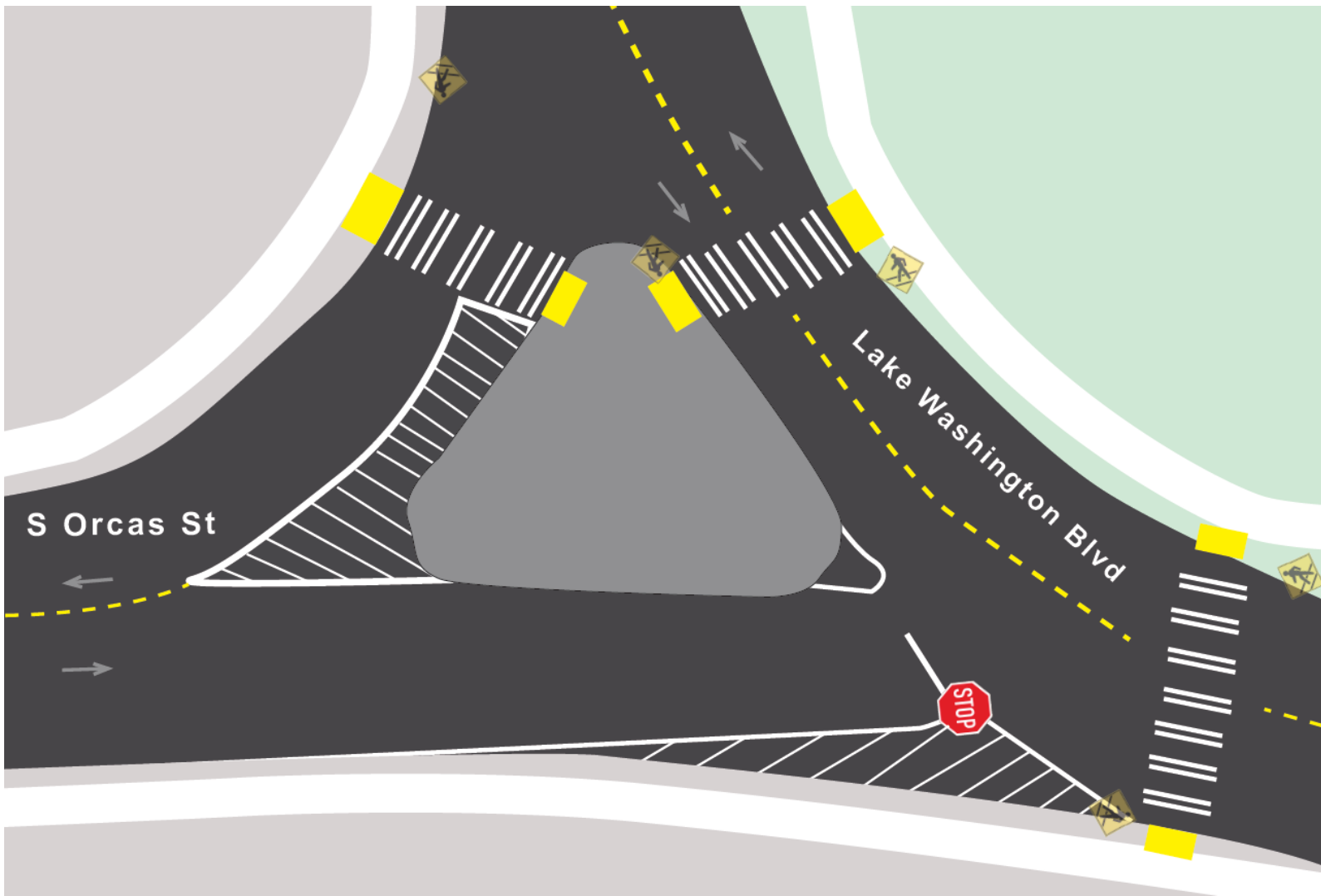


## **Completed:** New Curb Ramps and Connecting Walkway

Add ADA compliant curb ramps and paved connection to the Lake WA Blvd pathway to support the existing marked crossing.

**Planned:** Add marked crossing to the north side of the intersection.

# South Orcas Street



## **Proposed:** Intersection redesign

Simplify intersection by making both approaches of S Orcas St one-lane.

Paint-and-post curb and island extensions:

+Decrease pedestrian crossing distance.

+Calm vehicle turning speeds and reduce merging conflicts.

# Thank you!



For more information:

<https://engage.seattleparksandrec.com/en/projects/lake-washington-boulevard>

Provide your feedback on our survey:

<https://seattle.surveymonkey.com/r/LWBdesignconcepts>